YANMAR

# PARTS CATALOG

PREVIEW - YOUFIXTHIS.COM

Published 2010/12 (Dec.)

0CW10-G01400

Download full manual at youfixthis.com

# CONTENTS

MODEL : 4TNE98-NMH (NACCO)
PC NO : 0CW10-G01400


| Fig.No. | GROUP NAME |
|---|---|
| ENGINE 4TNE98-NMH | |
| 1. | CYLINDER BLOCK |
| 2. | GEAR HOUSING |
| 3. | OIL SUMP |
| 4. | CYLINDER HEAD & BONNET |
| 5. | SUCTION & EXHAUST MANIFOLD |
| 6. | CAMSHAFT & DRIVING GEAR |
| 7. | CRANKSHAFT & PISTON |
| 8. | LUB.OIL SYSTEM |
| 9. | COOLING WATER SYSTEM |
| 10. | FUEL INJECTION PUMP |
| 11. | FUEL INJECTION VALVE |
| 12. | FUEL FILTER |
| 13. | STARTING MOTOR |
| 14. | GENERATOR |
| 15. | GASKET SET |

| Fig.No. | GROUP NAME |
|---|---|



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MODEL : 4TNE98-NMH (NACCO)
PC NO : 0CW10-G01400

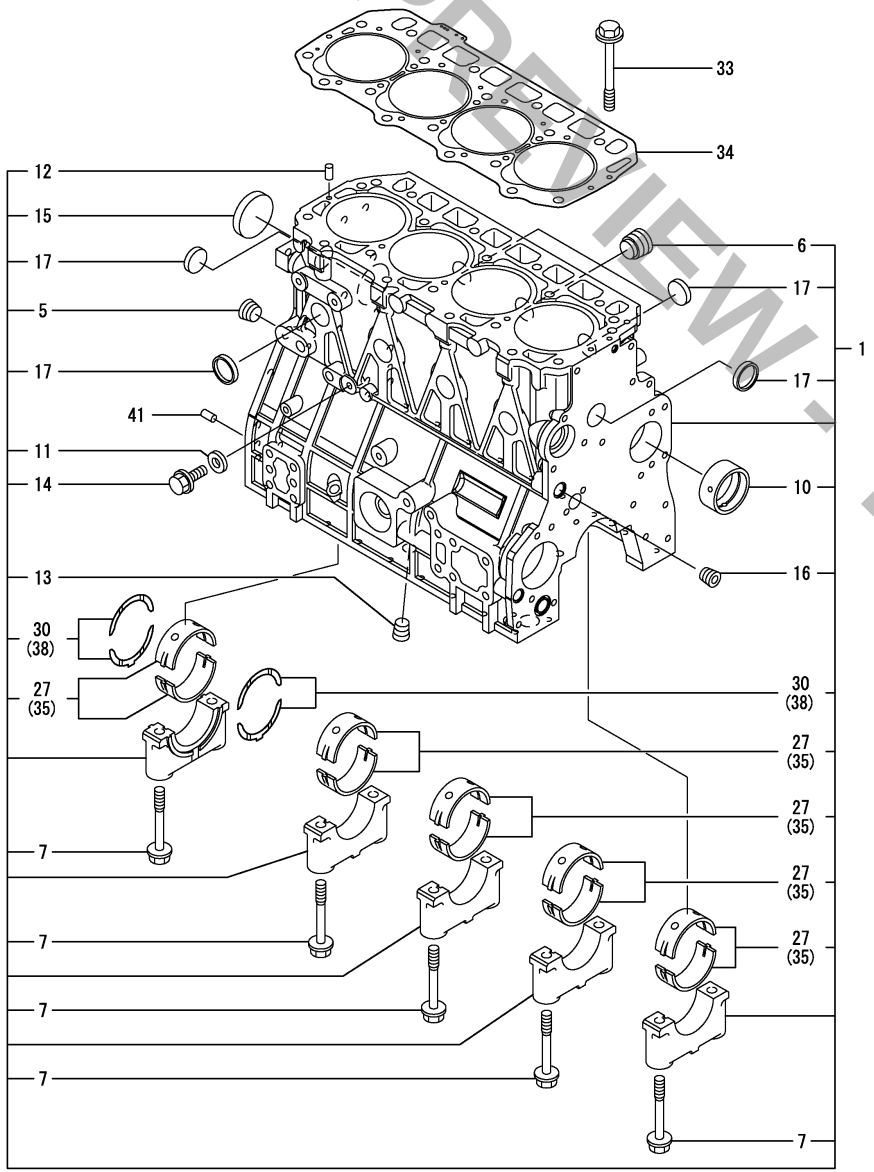
# PARTS No. INDEX

| PARTS No. | Fig. | Ref.No. |
|---|---|---|
| 105225-59500 | 11 | 29 |
| 105430-67110 | 12 | 11 |
| 114250-39450 | 8 | 15 |
| 119000-35140 | 8 | 7 |
| 119131-18320 | 5 | 7 |
| 119254-77200 | 14 | 1 |
| 119254-77421 | 14 | 4 |
| 119260-34810 | 8 | 2 |
| 119285-01731 | 8 | 19 |
| 119285-39600 | 8 | 18 |
| 119305-59120 | 11 | 4 |
| 119326-77820 | 4 | 61 |
| 119600-11460 | 4 | 12 |
| | 15 | 5 |
| 119620-59700 | 11 | 38 |
| 119620-77461 | 14 | 2 |
| 119620-77471 | 14 | 3 |
| 119620-77490 | 14 | 27 |
| 119620-77710 | 14 | 17 |
| 119620-79200 | 14 | 5 |
| 119620-79210 | 14 | 6 |
| 119620-79220 | 14 | 7 |
| 119620-79230 | 14 | 8 |
| 119620-79250 | 14 | 11 |
| 119620-79290 | 14 | 18 |
| 119620-79300 | 14 | 19 |
| 119620-79310 | 14 | 20 |
| 119620-79320 | 14 | 21 |
| 119620-79330 | 14 | 22 |
| 119620-79340 | 14 | 24 |
| 119620-79350 | 14 | 25 |
| 119640-01640 | 3 | 2 |
| 119717-53010 | 11 | 2 |
| 119717-77800 | 4 | 56 |
| 119810-77340 | 14 | 31 |
| 120130-22301 | 7 | 18 |
| 121400-11340 | 4 | 8 |
| | 15 | 9 |
| 121450-42450 | 9 | 23 |
| 121850-21130 | 7 | 11 |
| 121850-21290 | 7 | 5 |
| 121850-21680 | 7 | 10 |
| 121850-21920 | 7 | 6 |
| 121850-49550 | 9 | 4 |
| | 15 | 14 |
| 121850-49810 | 9 | 7 |
| 121850-77021 | 5 | 10 |
| | 15 | 25 |
| 121850-77100 | 5 | 11 |
| 123501-79240 | 14 | 10 |
| 123900-13610 | 5 | 8 |
| 123900-13630 | 5 | 6 |
| 124066-59100 | 11 | 30 |
| 124085-11691 | 9 | 15 |
| 124160-01751 | 2 | 6 |
| | 4 | 45 |
| 124160-11360 | 4 | 46 |
| 124411-01780 | 3 | 10 |
| 124460-11340 | 4 | 9 |
| | 15 | 3 |
| 124465-44950 | 9 | 25 |
| | 15 | 17 |
| 128401-77440 | 14 | 12 |
| 128401-77450 | 14 | 23 |
| 129001-91810 | 2 | 31 |
| | | 32 |
| 129052-55630 | 12 | 12 |
| 129052-77380 | 14 | 9 |
| 129052-79270 | 14 | 14 |
| 129054-42450 | 9 | 24 |
| 129100-01580 | 1 | 41 |
| | 2 | 24 |
| | 3 | 7 |
| 129150-02450 | 6 | 4 |
| 129150-11230 | 4 | 34 |
| | | 38 |
| 129150-11370 | 4 | 10 |
| 129150-11750 | 4 | 36 |
| | | 40 |
| 129150-11810 | 4 | 18 |
| 129150-14200 | 6 | 1 |
| 129150-25920 | 6 | 14 |
| 129150-35153 | 8 | 6 |
| 129150-59131 | 11 | 7 |
| | | 11 |
| 129400-92450 | 15 | 27 |
| 129486-01670 | 3 | 11 |
| 129550-59120 | 11 | 8 |
| 129612-77260 | 14 | 29 |
| 129795-11180 | 4 | 7 |
| 129900-01200 | 1 | 33 |
| 129900-01250 | 1 | 15 |
| 129900-01780 | 2 | 3 |
| 129900-02020 | 1 | 7 |
| 129900-02340 | 1 | 35 |
| 129900-02410 | 1 | 10 |
| 129900-02930 | 1 | 30 |
| 129900-02940 | 1 | 38 |
| 129900-07900 | 4 | 1 |
| 129900-11100 | 4 | 4 |
| 129900-11110 | 4 | 5 |
| 129900-11120 | 4 | 6 |
| 129900-11200 | 4 | 26 |
| 129900-11240 | 4 | 27 |
| 129900-11280 | 4 | 30 |
| 129900-11310 | 4 | 48 |
| | 15 | 6 |
| 129900-11370 | 4 | 47 |
| 129900-11510 | 4 | 31 |
| 129900-11520 | 4 | 32 |
| 129900-11530 | 4 | 43 |
| 129900-11600 | 4 | 51 |
| 129900-11650 | 4 | 33 |
| 129900-11660 | 4 | 37 |
| 129900-12050 | 5 | 1 |
| | 15 | 7 |
| 129900-12100 | 5 | 2 |
| 129900-13200 | 5 | 4 |
| 129900-13251 | 5 | 5 |
| | 15 | 8 |
| 129900-14100 | 6 | 7 |
| 129900-14400 | 6 | 2 |
| 129900-14580 | 6 | 3 |
| 129900-21200 | 7 | 4 |
| 129900-21640 | 7 | 9 |
| 129900-21660 | 7 | 8 |
| 129900-23001 | 7 | 20 |
| 129900-23200 | 7 | 25 |
| 129900-23600 | 7 | 26 |
| 129900-23610 | 7 | 34 |
| 129900-23911 | 7 | 24 |
| 129900-25060 | 6 | 10 |
| 129900-25100 | 6 | 11 |
| 129900-32001 | 2 | 10 |
| 129900-32030 | 2 | 22 |
| | 8 | 8 |
| | 15 | 10 |
| 129900-32040 | 2 | 23 |
| | 15 | 11 |
| 129900-35000 | 8 | 9 |
| 129900-42061 | 9 | 10 |
| | 15 | 12 |
| 129900-42070 | 9 | 12 |
| 129900-42140 | 9 | 13 |
| | 15 | 23 |
| 129900-42161 | 9 | 17 |
| 129900-42170 | 9 | 18 |
| 129900-49551 | 9 | 5 |
| 129900-49560 | 9 | 6 |
| | 15 | 13 |
| 129900-77010 | 13 | 1 |
| 129900-77400 | 13 | 2 |
| 129900-77440 | 13 | 5 |
| 129900-77450 | 13 | 7 |
| | | 9 |
| 129900-77460 | 13 | 11 |
| 129900-77480 | 13 | 8 |
| 129900-77510 | 13 | 17 |
| 129900-77520 | 13 | 20 |
| 129900-77540 | 13 | 18 |
| 129900-77550 | 13 | 19 |
| 129900-77591 | 13 | 12 |
| 129900-77610 | 13 | 23 |
| 129900-77620 | 13 | 13 |
| 129900-77640 | 13 | 15 |
| 129900-77650 | 13 | 14 |
| 129900-77700 | 13 | 16 |
| 129900-77710 | 13 | 24 |
| 129901-01520 | 2 | 9 |
| 129901-01960 | 10 | 6 |
| 129901-11450 | 4 | 11 |
| | 15 | 4 |
| 129901-25900 | 6 | 16 |
| 129901-53020 | 11 | 3 |
| 129901-55800 | 12 | 1 |
| 129901-55810 | 12 | 2 |
| 129901-55820 | 12 | 3 |
| 129901-55830 | 12 | 4 |
| 129901-55840 | 12 | 5 |
| 129901-55850 | 12 | 6 |
| 129901-55860 | 12 | 7 |
| 129901-59500 | 12 | 9 |
| 129901-59510 | 11 | 32 |
| 129901-59560 | 11 | 37 |
| | 15 | 15 |
| 129901-59810 | 11 | 13 |
| 129901-59820 | 11 | 17 |
| 129901-59830 | 11 | 21 |
| 129901-59840 | 11 | 25 |
| 129902-01710 | 3 | 1 |
| 129902-21000 | 7 | 1 |
| 129903-01350 | 1 | 34 |
| | 15 | 2 |
| 129903-11700 | 4 | 3 |
| 129903-22050 | 7 | 14 |
| 129903-22120 | 7 | 12 |
| 129903-22940 | 7 | 28 |
| 129903-22950 | 7 | 30 |
| 129904-01950 | 10 | 5 |
| 129904-77330 | 14 | 30 |

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

## Fig.1. CYLINDER BLOCK




Remarks
(1) UNDER-SIZED(U.S=0.25)PART.
(2) OVER-SIZED(O.S=0.25)PART.
(3) REPAIR PART.



## 1. CYLINDER BLOCK

(A)=4TNE98-NMH (D)=
(B)= (E)=
(C)= (F)=

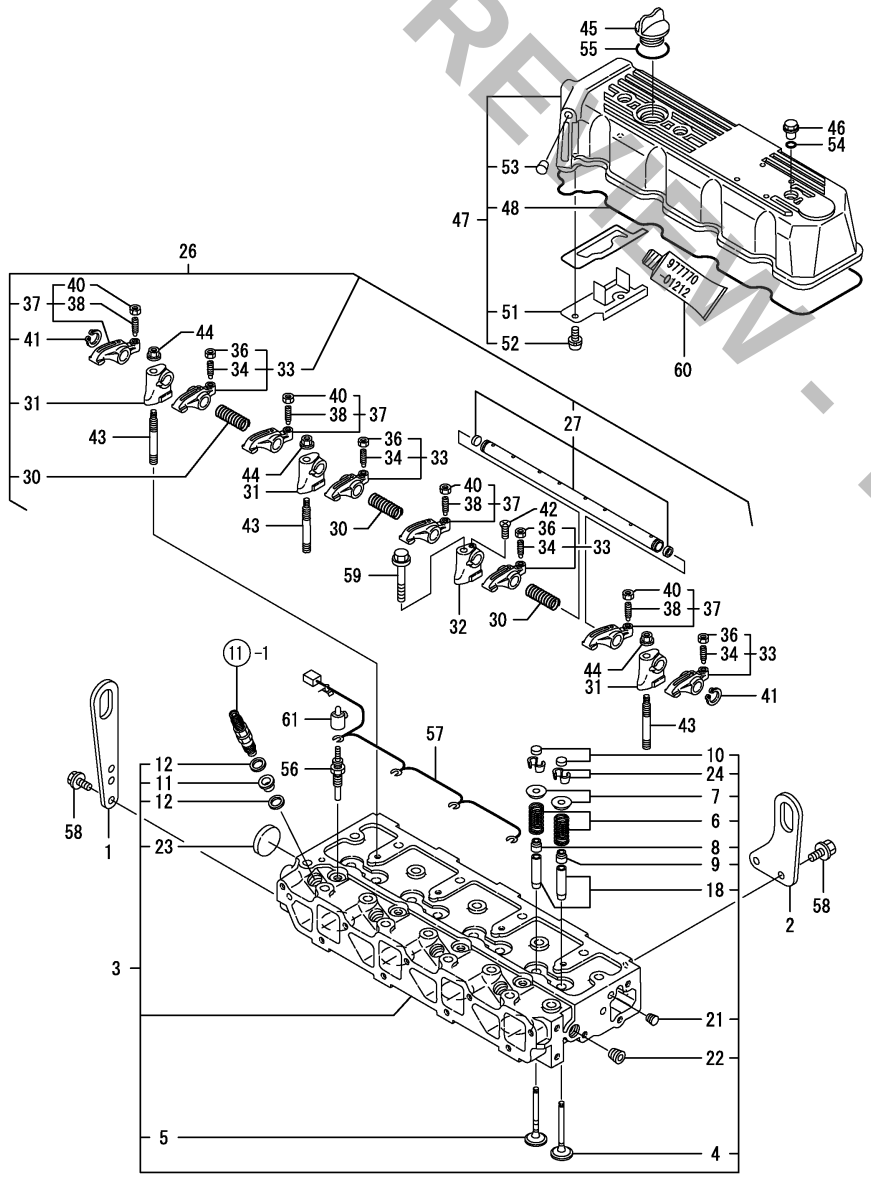
| REF. | LEV. | PARTS NO. | DESCRIPTION | Q'TY (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 729903-01560 | BLOCK ASSY, CYLINDER | 1 | | | | | | | |
| 5 | 2 | 23876-030000 | PLUG PT3/8,SCREW | 1 | | | | | | | |
| 6 | 2 | 171051-01921 | PLUG | 1 | | | | | | | |
| 7 | 2 | 129900-02020 | BOLT, METAL CAP | 10 | | | | | | | |
| 10 | 2 | 129900-02410 | BUSH, CAMSHAFT | 1 | | | | | | | |
| 11 | 2 | 22190-080002 | SEAL WASHER 8S | 1 | | | | | | | |
| 12 | 2 | 22351-060012 | SPRING PIN 6X12 | 2 | | | | | | | |
| 13 | 2 | 23876-030000 | PLUG PT3/8,SCREW | 1 | | | | | | | |
| 14 | 2 | 26106-080122 | BOLT M 8X 12 PLATED | 1 | | | | | | | |
| 15 | 2 | 129900-01250 | PLUG 55 | 1 | | | | | | | |
| 16 | 2 | 23876-030000 | PLUG PT3/8,SCREW | 1 | | | | | | | |
| 17 | 2 | 27241-300000 | PLUG 30 | 8 | | | | | | | |
| 27 | 2 | 729900-02800 | MAIN BEARING SET | 5 | | | | | | | 3 |
| 30 | 2 | 129900-02930 | BEARING ASSY, THRUST | 2 | | | | | | | |
| 33 | 1 | 129900-01200 | BOLT, HEAD | 18 | | | | | | | |
| 34 | 1 | 129903-01350 | GASKET, HEAD | 1 | | | | | | | |
| 35 | 1 | 129900-02340 | MAIN BEARING US=0.25 | 5 | | | | | | | 1 |
| 38 | 1 | 129900-02940 | BEARING,THRUST .25OS | 2 | | | | | | | 2 |
| 41 | 1 | 129100-01580 | PARALLEL PIN 8X16 | 2 | | | | | | | |

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

(C)Copy Rights YANMAR CO.,LTD.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

# Fig.4. CYLINDER HEAD & BONNET




Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.



## 4. CYLINDER HEAD & BONNET

(A)=4TNE98-NMH (D)=
(B)= (E)=
(C)= (F)=

| | REF. | LEV. | PARTS NO. | DESCRIPTION | Q'TY (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 129900-07900 | LIFTER, ENGINE | 1 | | | | | | | |
| | 2 | 1 | 129910-07910 | LIFTER, ENGINE | 1 | | | | | | | |
| | 3 | 1 | 129903-11700 | HEAD ASSY,CYLINDER | 1 | | | | | | | |
| | 4 | 2 | 129900-11100 | VALVE, SUCTION | 4 | | | | | | | |
| | 5 | 2 | 129900-11110 | VALVE, EXHAUST | 4 | | | | | | | |
| | 6 | 2 | 129900-11120 | SPRING, VALVE | 8 | | | | | | | |
| | 7 | 2 | 129795-11180 | RETAINER, SPRING | 8 | | | | | | | |
| | 8 | 2 | 121400-11340 | SEAL, VALVE STEM | 4 | | | | | | | |
| | 9 | 2 | 124460-11340 | SEAL, VALVE STEM | 4 | | | | | | | |
| | 10 | 2 | 129150-11370 | CAP, VALVE | 8 | | | | | | | |
| | 11 | 2 | 129901-11450 | PROTECTER, NOZZLE | 4 | | | | | | | |
| | 12 | 2 | 119600-11460 | GASKET, NOZZLE | 8 | | | | | | | |
| I | 18 | 2 | 129150-11810 | GUIDE, VALVE | 8 | | | | | | | 1 |
| I | 21 | 2 | 23871-005000 | PLUG PT 1/16 | 1 | | | | | | | |
| I | 22 | 2 | 23876-030000 | PLUG PT3/8,SCREW | 1 | | | | | | | |
| I | 23 | 2 | 27241-400000 | PLUG 40 | 1 | | | | | | | |
| | 24 | 2 | 27310-080001 | COTTER 8 | 8 | | | | | | | |
| | 26 | 1 | 129900-11200 | SUPPORT ASY,ROCK.ARM | 1 | | | | | | | |
| | 27 | 2 | 129900-11240 | SHAFT ASSY,ROCK. ARM | 1 | | | | | | | |
| | 30 | 2 | 129900-11280 | SPRING | 3 | | | | | | | |
| | 31 | 2 | 129900-11510 | SUPPORT | 3 | | | | | | | |
| | 32 | 2 | 129900-11520 | SUPPORT | 1 | | | | | | | |
| | 33 | 2 | 129900-11650 | ARM KIT, SUC. ROCKER | 4 | | | | | | | |
| | 34 | 3 | 129150-11230 | SCREW, VALVE | 4 | | | | | | | |
| | 36 | 3 | 129150-11750 | NUT M8XP1.0 | 4 | | | | | | | |
| | 37 | 2 | 129900-11660 | ARM KIT, EXH. ROCKER | 4 | | | | | | | |
| | 38 | 3 | 129150-11230 | SCREW, VALVE | 4 | | | | | | | |
| | 40 | 3 | 129150-11750 | NUT M8XP1.0 | 4 | | | | | | | |
| | 41 | 2 | 22242-000180 | CIRCLIP 18 | 2 | | | | | | | |
| | 42 | 2 | 26577-040162 | SCREW M 4X 16 | 1 | | | | | | | |
| | 43 | 1 | 129900-11530 | STUD BOLT | 3 | | | | | | | |
| | 44 | 1 | 26306-100002 | NUT | 3 | | | | | | | |
| | 45 | 1 | 124160-01751 | COVER,FILLER | 1 | | | | | | | |
| | 46 | 1 | 124160-11360 | KNOB | 3 | | | | | | | |
| | 47 | 1 | 129900-11370 | BONNET ASSY | 1 | | | | | | | |
| | 48 | 2 | 129900-11310 | GASKET, BONNET | 1 | | | | | | | |
| | 51 | 2 | 129900-11600 | PLATE | 1 | | | | | | | |
| | 52 | 2 | 22857-500100 | SCREW 5X10,TAPPING | 2 | | | | | | | |
| | 53 | 2 | 27225-080080 | PLUG 8X 8 | 1 | | | | | | | |
| | 54 | 1 | 24311-000120 | O-RING 1A P 12.0 | 3 | | | | | | | |
| | 55 | 1 | 24311-000320 | O-RING 1A P-32.0 | 1 | | | | | | | |
| | 56 | 1 | 119717-77800 | PLUG, GLOW | 4 | | | | | | | |
| | 57 | 1 | 129931-77820 | CONNECTOR, GLOW PLUG | 1 | | | | | | | |
| | 58 | 1 | 26106-080162 | BOLT M 8X 16 PLATED | 4 | | | | | | | |
| | 59 | 1 | 26106-100652 | BOLT M10X 65 PLATED | 1 | | | | | | | |
| | 60 | 1 | 977770-01212 | GASKET, LIQUID | 1 | | | | | | | 2 |
| | 61 | 1 | 119326-77820 | COVER, GLOW PLUG | 4 | | | | | | | |

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

(C)Copy Rights YANMAR CO.,LTD.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

# PREVIEW ONLY

You're viewing 5 of 25 pages

## The full manual includes:

- All 25 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

**GET FULL MANUAL NOW**

**Yanmar 4TNE98-NMH, NACCO Parts Catalog**

**Scan or click anywhere**
**youfixthis.com**

*Click anywhere on this page to get the full manual*